

JAN 16 2004

PART B - FEE(S) TRANSMITTAL

Express Mail EV336593343US

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 (703) 746-4000

or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

500

7590

11/07/2003

SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
 701 FIFTH AVE
 SUITE 6300
 SEATTLE, WA 98104-7092

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/151,409	09/10/1998	JAMES B. DALE	481112.410	7693

TITLE OF INVENTION: GROUP A STREPTOCOCCAL VACCINES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$0	\$665	02/09/2004
EXAMINER		ART UNIT	CLASS-SUBCLASS		
DEVI, SARVAMANGALA J N		1645	424-244100		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Seed Intellectual
2 Property Law Group PLLC

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

University of Tennessee
 Research Foundation

Knoxville, TN

Please check the appropriate assignee category or categories (will not be printed on the patent): individual corporation or other private group entity government

4a. The following fee(s) are enclosed:

 Issue Fee

4b. Payment of Fee(s):

 A check in the amount of the fee(s) is enclosed. Publication Fee Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies 3 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) Reg. No. 46,985 (Date)

Jeffrey J. 16-Jan-2004

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

01/22/2004 NMEKONE1 00000073 09151409

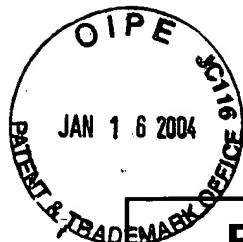
01 FC:2501

665.00 0P

02 FC:8001

9.00 0P

TRANSMIT THIS FORM WITH FEE(S)



JAN 16 2004

EXPRESS MAIL NO. EV336593343US

FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$ **674.00**)

Complete if Known	
Application Number	09/151,409
Filing Date	September 10, 1998
First Named Inventor	James B. Dale
Examiner Name	DEVI, Sarvamangala J. N.
Art Unit	1645
Attorney Docket No.	481112.410

METHOD OF PAYMENT

Payment Enclosed:
 Check Credit card Money Order Other

Deposit Account:
 Deposit Account Number **19-1090**
 Deposit Account Name **Seed Intellectual Property Law Group PLLC**

The Director is authorized to (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
 Charge any deficiencies

to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385			Utility filing fee	
1002	340	2002	170			Design filing fee	
1003	530	2003	265			Plant filing fee	
1004	770	2004	385			Reissue filing fee	
1005	160	2005	80			Provisional filing fee	
SUBTOTAL (1)							(\$)

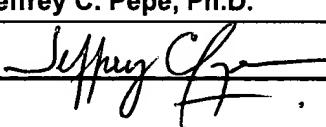
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims	Fee from below	Fee Paid
Independent Claims				
Multiple Dependent				

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
1202	18	2202	9			Claims in excess of 20	
1201	86	2201	43			Independent claims in excess of 3	
1203	290	2203	145			Multiple dependent claim, if not paid	
1204	86	2204	43			** Reissue independent claims over original patent	
1205	18	2205	9			** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)							(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)						
3. ADDITIONAL FEES						
Large Entity		Small				
Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Description	Fee Paid
1051	130	2051	65		Surcharge - late filing fee or oath	
1052	50	2052	25		Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130		Non-English specification	
1812	2520	1812	2520		For filing a request for ex parte reexamination	
1804	920*	1804	920*		Requesting publication of SIR prior to Examiner action	
1805	1840*	1805	1840*		Requesting publication of SIR after Examiner action	
1251	110	2251	55		Extension for reply within first month	
1252	420	2252	210		Extension for reply within second month	
1253	950	2253	475		Extension for reply within third month	
1254	1480	2254	740		Extension for reply within fourth month	
1255	2010	2255	1005		Extension for reply within fifth month	
1401	330	2401	165		Notice of Appeal	
1402	330	2402	165		Filing a brief in support of an appeal	
1403	290	2403	145		Request for oral hearing	
1451	1510	1451	1510		Petition to institute a public use proceeding	
1452	110	2452	55		Petition to revive – unavoidable	
1453	1330	2453	665		Petition to revive – unintentional	
1501	1330	2501	665		Utility issue fee (or reissue)	665
1502	480	2502	240		Design issue fee	
1503	640	2503	320		Plant issue fee	
1460	130	1460	130		Petitions to the Commissioner	
1807	50	1807	50		Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180		Submission of Information Disclosure Stmt	
8021	40	8021	40		Recording each patent assignment per property (times number of properties)	
1809	770	2809	385		Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385		For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385		Request for Continued Examination (RCE)	
1802	900	1802	900		Request for expedited examination of a design application	
Other fee (specify) 3 soft copies @ \$3 each						
*Reduced by Basic Filing Fee Paid						
SUBTOTAL (3)						(\$ 674)

SUBMITTED BY				Customer Number
Name (Print/Type)	Jeffrey C. Pepe, Ph.D.	Registration No. Attorney/Agent)	46,985	
Signature		Date	16-Jan-2004	00500